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PTO/SB/D&amp;A (08-00)

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/805,916
				Filing Date	3/22/2004
				First Named Inventor	S.V. Sreenivasan
				Group Art Unit	2123
				Examiner Name	Unassigned
				Attorney Docket Number	PA133-09D13
Sheet	1	of	2		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant: Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (If known)			
CY	A1	2004/0168588	A1	Choi et al.	9/2/2004	
CY	A2	2004/0149887	A1	Choi et al.	8/5/2004	
CY	A3	2003/0215577	A1	Willson et al.	11/20/2003	
CY	A4	2004/0007799	A1	Choi et al.	1/15/2004	
CY	A5	2004/0021254	A1	Sreenivasan et al.	2/5/2004	
CY	A6	2004/0021866	A1	Watts et al.	1/5/2004	
CY	A7	2004/0141163	A1	Bailey et al.	7/22/2004	
CY	A8	2004/0163563	A1	Bailey et al.	8/26/2004	
CY	A9	2004/0251775	A1	Choi et al.	12/16/2004	
CY	A10	2004/0022888	A1	Sreenivasan et al.	2/5/2004	
CY	A11	2004/0063146	A1	Sreenivasan et al.	3/18/2004	
CY	A12	2004/0086793	A1	Sreenivasan et al.	5/8/2004	
CY	A13	2004/0104641	A1	Choi et al.	6/3/2004	
CY	A14	2004/0168588	A1	Bailey et al.	9/2/2004	
CY	A15	2004/0169441	A1	Choi et al.	9/2/2004	
CY	A16	2004/0170771	A1	Bailey et al.	9/2/2004	
CY	A17	2004/0189986	A1	Sreenivasan et al.	9/30/2004	
CY	A18	2004/0200411	A1	Willson et al.	10/14/2004	
CY	A19	2004/0209177	A1	Sreenivasan et al.	10/21/2004	
CY	A20	6,719,915	B2	Willson et al.	4/13/2004	
CY	A21	6,842,229	B2	Sreenivasan et al.	1/11/2005	

Examiner Signature	/Christopher Young/ (05/26/2006)	Date Considered	05/26/2006
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete If Known</b>	
		Application Number	10/805,916
		Filing Date	3/22/2004
		First Named Inventor	S.V. Sreenivasan
		Group Art Unit	2123
		Examiner Name	Unassigned
		Attorney Docket Number	PA133-09D13
Sheet	2	of	2

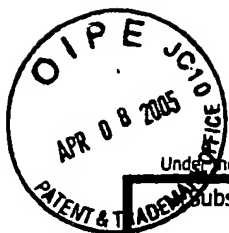
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cita No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
CY	A22	U.S. App. No. 10/614716, filed 7/7/2003, entitled: Conforming Template for Patterning Liquids Disposed on Substrates, naming inventors Sreenivasan et al.	
CY	A23	U.S. App. No. 10/785248, filed 2/24/2004, entitled: Method to Control the Relative Position Between a Body and a Substrate, naming inventors Sreenivasan et al.	
CY	A24	U.S. App. No. 10/864214, filed 6/9/2004, entitled: Imprint Lithography System to Produce a Light to Impinge upon and Polymerize a Liquid in Superimposition with Template Overlay Marks, naming inventors Sreenivasan et al.	
CY	A25	U.S. App. No. 10/923629, filed 8/20/2004, entitled: Apparatus for Imprint Lithography Using an Electric Field, naming inventors Sreenivasan et al.	
CY	A26	U.S. App. No. 10/978285, filed 10/29/2004, entitled: Step and Flash Imprint Lithography, naming inventors Willson et al.	

Examiner Signature	/Christopher Young/ (05/26/2006)	Date Considered	05/26/2006
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				APPLICATION NUMBER	10/805,916
				FILING DATE	03/22/2004
				FIRST NAMED INVENTOR	Sreenivasan et al.
				Group Art Unit	2123
				Examiner Name	Unassigned
				Attorney Docket Number	PA133-09D13
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Office	Number <sup>2</sup>				

CY	B1	2002/0098426	A1	Sreenivasan et al.	7/25/2002	
CY	B2	4,731,155		Napoli et al.	3/15/1988	
CY	B3	5,414,514		Smith et al.	5/9/1995	
CY	B4	5,425,848		Haisma et al.	6/20/1995	
CY	B5	5,772,905		Chou	6/30/1998	
CY	B6	5,808,742		Everett et al.	9/15/1998	
CY	B7	6,088,103		Everett et al.	7/11/2000	
CY	B8	6,309,580	B1	Chou	10/30/2001	
CY	B9	6,334,960	B1	Willson et al.	1/1/2002	
CY	B10	6,391,217	B2	Schaffer et al.	5/21/2002	
CY	B11	6,522,411	B1	Moon et al.	2/18/2003	
CY	B12	6,696,220	B2	Bailey et al.	2/24/2004	
CY	B13	2002/0177319	A1	Chou	11/28/2002	
CY	B14	6,713,238	B1	Chou et al.	3/30/2004	
CY	B15	2004/0008334	A1	Sreenivasan et al.	1/15/2004	
CY	B16	2004/0009673	A1	Sreenivasan et al.	1/15/2004	
CY	B17	2004/0124566	A1	Sreenivasan et al.	7/1/2004	
CY	B18	3,783,520		King	1/8/1974	

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				APPLICATION NUMBER	10/805,916
				FILING DATE	03/22/2004
				FIRST NAMED INVENTOR	Sreenivasan et al.
				Group Art Unit	2123
				Examiner Name	Unassigned
				Attorney Docket Number	PA133-09D13
Sheet	2	of	8		

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office 3	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

CY	B19	6,150,231		Muller et al.	11/21/2000	
CY	B20	6,489,068	B1	Kye	12/3/2002	
CY	B21	6,646,662	B1	Nebashi et al.	11/11/2003	
CY	B22	6,776,094	B1	Whitesides et al.	8/17/2004	
CY	B23	4,600,309		Fay	7/15/1986	
CY	B24	4,848,911		Uchida et al.	7/18/1989	
CY	B25	5,074,667		Miyatake	12/24/1991	
CY	B26	5,148,036		Matsugu et al.	9/15/1992	
CY	B27	5,148,037		Suda et al.	9/15/1992	
CY	B28	6,518,189	B1	Chou	2/11/2003	
CY	B29	2002/0132482	A1	Chou	9/19/2002	
CY	B30	2002/0167117	A1	Chou	11/14/2002	
CY	B31	6,482,742	B1	Chou	11/19/2002	
CY	B32	2003/0080471	A1	Chou	5/1/2003	
CY	B33	2004/0036201	A1	Chou et al.	2/26/2004	
CY	B34	2004/0192041	A1	Jeong et al.	9/30/2004	
CY	B35	6,828,244	B2	Chou	12/7/2004	
CY	B36	6,809,356	B2	Chou	10/26/2004	

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				<b>APPLICATION NUMBER</b> 10/805,916 <b>FILING DATE</b> 03/22/2004 <b>FIRST NAMED INVENTOR</b> Sreenivasan et al. <b>Group Art Unit</b> 2123 <b>Examiner Name</b> Unassigned <b>Attorney Docket Number</b> PA133-09D13	
Sheet	3	of	8		

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office	Number <sup>4</sup>				

CY	B37	5,737,064		Inoue et al.	4/7/1998	
CY	B38	2004/0197843	A1	Chou et al.	10/7/2004	
CY	B39	2004/0156108	A1	Chou et al.	8/12/2004	
CY	B40	2004/0137734	A1	Chou et al.	7/15/2004	
CY	B41	2004/0131718	A1	Chou et al.	7/8/2004	
CY	B42	2004/0118809	A1	Chou et al.	6/24/2004	
CY	B43	2004/0046288	A1	Chou	3/11/2004	
CY	B44	2003/0080472	A1	Chou	5/1/2003	
CY	B45	2003/0034329	A1	Chou	2/20/2003	
CY	B46	2002/0042027	A1	Chou et al.	4/11/2002	
CY	B47	6,636,311	B1	Ina et al.	10/21/2003	
CY	B48	6,383,888	B1	Stirton	5/7/2002	
CY	B49	2004/0033515	A1	Cao et al.	2/19/2004	
CY	B50	5,999,245		Suzuki	12/7/1999	
CY	B51	6,630,410	B2	Trapp et al.	10/7/2003	
CY	B52	6,580,172	B2	Mancini et al.	6/17/2003	
CY	B53	10/895,214		Voison	7/20/2004	
CY	B54	10/923,629		Sreenivasan et al.	8/20/2004	

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		Office 3	Number <sup>4</sup>				

CY	B55	10/978,285		Willson et al.	10/29/2004	
CY	B56	11/000,321		Nimmakayala et al.	11/30/2004	
CY	B57	4,512,848		Deckman et al.	4/23/1985	
CY	B58	6,388,755	B1	Zhao	5/14/2002	
CY	B59	6,295,120	B1	Miyatake	9/25/2001	
CY	B60	6,049,373		Miyatake	4/11/2000	
CY	B61	6,285,439	B1	Miyatake	9/4/2001	
CY	B62	6,791,669	B2	Poon	9/14/2004	
CY	B63	6,517,995	B1	Jacobenson et al.	2/11/2003	
CY	B64	2004/0110856	A1	Young et al.	6/10/2004	
CY	B65	5,028,366		Harakal et al.	7/2/1991	
CY	B66	5,601,641		Stephens	2/11/1997	
CY	B67	5,849,209		Kindt-Larsen et al.	12/15/1998	
CY	B68	5,849,222		Jen et al.	12/15/1998	

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		Office 2	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

CY	B69	WO	00/21689		Chou et al.	4/20/2000		
CY	B70	JP	02-92603		Kurikawa et al.	4/3/1990		
CY	B71	JP	02-24848		Kamio	1/26/1990		
CY	B72	WO	01/47003		Steiner et al.	6/28/2001		
CY	B73	WO	02/07199		Chou	1/24/2002		
CY	B74	WO	2004/114016		Chou et al.	12/29/2004		
CY	B75	WO	99/05724		Chou et al.	2/4/1999		
CY	B76	WO	03/010289		Chou et al.	2/6/2003		
CY	B77	WO	03/079416		Chou	9/25/2003		
CY	B78	WO	03/099536		Chou et al.	12/4/2003		

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Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>APPLICATION NUMBER</b>	10/805,916
				<b>FILING DATE</b>	03/22/2004
				<b>FIRST NAMED INVENTOR</b>	Sreenivasan et al.
				Group Art Unit	2123
				Examiner Name	Unassigned
Sheet	6	of	8	Attorney Docket Number	PA133-09D13

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

CY	B79	Chou, Nanoimprint Lithography and Lithographically Induced Self-Assembly, MRS Bulletin, pp. 512 - 517, 7/1/2001	
CY	B80	Choi et al., Design of Orientation Stages for Step and Flash Imprint Lithography, Precision Engineering, pp. 192 - 199, 1/1/2001	
CY	B81	Colburn et al., Step and Flash Imprint Lithography for sub-100 nm Patterning, Proceedings of SPIE Vol. 3997, pp. 453 - 457, 1/1/2000	
CY	B82	Chou et al., Imprint Lithography with 25-Nanometer Resolution, Science Vol. 272, pp. 85 - 87, 4/5/1996	
CY	B83	Chou et al., Imprint Lithography with Sub-10 nm Feature Size and High Throughput, Microelectronic Engineering 35, pp. 237 - 240, 1/1/1997	
CY	B84	Haisma et al., Mold-assisted Nanolithography: A Process for Reliable Pattern Replication, J. Vac. Sci. Technol. B, pp 4124 - 4128, 11/1/1996	
CY	B85	Chou et al., Imprint of Sub-25 nm Vias and Trenches in Polymers, Appl. Phys. Lett. 67 (21), 11/20/1995	
CY	B86	Johnson et al., Advances in Step and Flash Imprint Lithography, SPIE Microlithography Conference, 2/23/2003	
CY	B87	Chou et al., Lithographically Induced Self-assembly of Periodic Polymer Micropillar Arrays, J. Vac. Sci. Technol. B 17 (6), pp. 3197 - 3202, 11/1/1999	

Examiner Signature	/Christopher Young/ (05/26/2006)	Date Considered	05/26/2006
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Sheet	7	of	8	Examiner Name	Unassigned
				Attorney Docket Number	PA133-09D13

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CY	B88	Colburn et al., Step and Flash Imprint Lithography: A New Approach to High-Resolution Patterning, Proc. Of SPIE, vol. 3676, 3/1/1999	
CY	B89	Heidari, Nanoimprint Lithography at the 6 in. Wafer Scale, J. Vac. Sci. Technol. B 18(6), pp. 3557 - 3560, 11/1/2000	
CY	B90	Translation of Japanese Patent 02-92603	
CY	B91	Translation of Japanese Patent 02-24848	
CY	B92	Chou et al., Ultrafast and Direct Imprint of Nanostructures in Silicon, Nature, Col. 417, (June 2002), pp. 835-837, 6/1/2002	
CY	B93	Moon et al., Interferometric-Spatial-Phase Imaging for Six-Axis Mask Control, MIT NanoStructures Laboratory, Research Laboratory of Electronics, 10/17/2003	
CY	B94	Chou et al., Nanoimprint Lithography, Journal of Vacuum Science Technologoy B 14(16), pp. 4129-4133, 11/1/1996	
CY	B95	Colburn et al., Development and Advantages of Step-and-Flash Lithography, Solid State Technology, 7/1/2001	
CY	B96	Colburn et al., Characterization and Modeling of Volumetric and Mechanical Properties for Step and Flash Imprint Lithography Photopolymers, Journal of Vacuum Science Technology. Vol b. 19(6), 11/1/2001	

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CY	B97	Bailey et al., Step and Flash Imprint Lithography: Defect Analysis, Journal of Vacuum Science, B 19(6), pp. 2806-2810, 11/1/2001	
CY	B98	Bailey et al., Step and Flash Imprint Lithography: Template Surface Treatment and Defect Analysis, Journal of Vacuum Science, B 18(6), pp. 3572-3577, 11/1/2000	
CY	B99	Wronosky et al., Wafer and Reticle Positioning System for the Extreme Ultraviolet Lithography Engineering Test Stand, Emerging Lithography Technologies, Proceedings of SPIE Vol. 3997, pp. 829-839, 7/1/2000	
CY	B100	Schneider et al., Stripes of Partially Fluorinated Alkyl Chains: Dipolar Langmuir Monolayers	

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				<b>FIRST NAMED INVENTOR</b>	Sreenivasan et al.
				<b>Group Art Unit</b>	2123
				<b>Examiner Name</b>	Unassigned
Sheet <span style="border: 1px solid black; padding: 0 10px;">1</span> of <span style="border: 1px solid black; padding: 0 10px;">2</span>				<b>Attorney Docket Number</b>	PA133-09D13

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patent or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
CY	C1	5,689,303		Maracas et al.	9/23/1997	
CY	C2	6,665,119		Kurtz et al.	12/16/2003	
CY	C3	2004/0250945		Zheng et al.	12/16/2004	
CY	C4	2005/0037143		Chou et al.	2/17/2005	
CY	C5	6,900,881		Sreenivasan et al.	5/31/2005	
CY	C6	6,902,853		Sreenivasan et al.	6/7/2005	
CY	C7	6,908,881		Sreenivasan et al.	6/21/2005	
CY	C8	6,916,584		Sreenivasan et al.	7/12/2005	
CY	C9	6,921,815		Sreenivasan et al.	7/26/2005	
CY	C10	6,916,585		Sreenivasan et al.	7/12/2005	
CY	C11	8,919,152		Sreenivasan et al.	7/19/2005	

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**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

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CY	C12	PARK ET AL., Aligning Liquid Crystals Using Replicated Nanopatterns, PSI Scientific Report 2002, Vol VII, p. 85 3/1/2003	
CY	C13	APPLICATION NO. 11/126,948, naming inventors Choi et al., entitled Formation of Discontinuous Films During an Imprint Lithography Process, filed 5/11/2005	
CY	C14	APPLICATION NO. 11/127,041, naming inventors Sreenivasan et al., entitled Step and Repeat Imprint Lithography Processes, filed 5/11/2005	
CY	C15	APPLICATION NO. 11/127,060, naming inventors Sreenivasan et al., entitled Step and Repeat Imprint Lithography Systems, filed 5/11/2005	
CY	C16	APPLICATION NO. 11/143,076, naming inventors Cherala et al., entitled System and Method for Improvement of Alignment and Overlay for Microlithography, filed 6/2/2005	

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